

# Zeming Zhang

## List of Publications by Year in descending order

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67  
papers

2,861  
citations

172457

29  
h-index

175258

52  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1591  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the origin of high-pressure mafic granulite in the Eastern Himalayan Syntaxis: Implications for the tectonic evolution of the Himalayan orogen. <i>Gondwana Research</i> , 2022, 104, 4-22.	6.0	16
2	Petrogenesis and Tectonic Implications of the Latest Cretaceous Intrusive Rocks from the Eastern Gangdese Belt, Southeast Tibet. <i>Acta Geologica Sinica</i> , 2022, 96, 891-903.	1.4	4
3	Late Cretaceous hydrous melting and reworking of juvenile lower crust of the eastern Gangdese magmatic arc, southern Tibet. <i>Gondwana Research</i> , 2022, 104, 112-125.	6.0	6
4	Phase equilibrium modeling of zircon stability in mantle peridotite: Implication for crust-mantle interaction. <i>Science China Earth Sciences</i> , 2022, 65, 282-298.	5.2	3
5	Geochemistry and Petrogenesis of Late Cretaceous–Paleocene Granites from the Tengchong Block, Western Yunnan: Implications for Angle–switching of Subducting Slab. <i>Acta Geologica Sinica</i> , 2022, 96, 1600-1614.	1.4	1
6	Late Cretaceous Metamorphism and Anatexis of the Gangdese Magmatic Arc, South Tibet: Implications for Thickening and Differentiation of Juvenile Crust. <i>Journal of Petrology</i> , 2022, 63, .	2.8	7
7	Wetlands in China: Evolution, Carbon Sequestrations and Services, Threats, and Preservation/Restoration. <i>Water (Switzerland)</i> , 2022, 14, 1152.	2.7	8
8	Holocene vegetation history and responses to climate and sea-level change in the Liaohe Delta, northeast China. <i>Catena</i> , 2022, 217, 106438.	5.0	3
9	Identification of the Early Jurassic mylonitic granitic pluton and tectonic implications in Namling area, southern Tibet. <i>Geoscience Frontiers</i> , 2021, 12, 13-28.	8.4	7
10	Long-lived (ca. 22–24 Myr) partial melts in the eastern Himalaya: Petrochronologic constraints and tectonic implications. <i>Earth and Planetary Science Letters</i> , 2021, 558, 116764.	4.4	34
11	Sediment Characteristics, Sources, and Transport Patterns in Kompong Som Bay, Cambodia: Indications from Grain Size and Heavy Minerals. <i>Journal of Ocean University of China</i> , 2021, 20, 329-339.	1.2	2
12	Timescales of Partial Melting and Melt Crystallization in the Eastern Himalayan Orogen: Insights From Zircon Petrochronology. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009539.	2.5	13
13	Pollen distribution and transportation patterns in surface sediments of Liaodong Bay, China. <i>Science of the Total Environment</i> , 2021, 771, 144883.	8.0	10
14	Heavy magnesium isotopes in the Gangdese Magmatic Belt: Implications for magmatism in the Mesozoic subduction system of southern Tibet. <i>Lithos</i> , 2021, 390-391, 106106.	1.4	2
15	Late Mesozoic diorites of the middle Gangdese magmatic belt of southern Tibet: New insights from SHRIMP U-Pb dating and Sr-Nd-Hf-O isotopes. <i>Lithos</i> , 2021, 404-405, 106420.	1.4	3
16	Vegetation history and environment changes since MIS 5 recorded by pollen assemblages in sediments from the western Bohai Sea, Northern China. <i>Journal of Asian Earth Sciences</i> , 2020, 187, 104085.	2.3	12
17	Geochronology and petrogenesis of the mafic dykes from the Purang ophiolite: Implications for evolution of the western Yarlung-Tsangpo suture zone, southwestern Tibet. <i>Geoscience Frontiers</i> , 2020, 11, 277-292.	8.4	41
18	New constraints on the tectono-magmatic evolution of the central Gangdese belt from Late Cretaceous magmatic suite in southern Tibet. <i>Gondwana Research</i> , 2020, 80, 123-141.	6.0	23

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19	Kinematics, strain patterns, rheology, and geochronology of Woka ductile shear zone: Product of uplift of Gangdese batholith and Great Counter Thrust activity. <i>Geological Journal</i> , 2020, 55, 7251-7271.	1.3	4
20	Mesozoic crustal evolution of southern Tibet: Constraints from the early Jurassic igneous rocks in the Central Lhasa terrane. <i>Lithos</i> , 2020, 366-367, 105557.	1.4	8
21	Prolonged Partial Melting of Garnet Amphibolite from the Eastern Himalayan Syntaxis: Implications for the Tectonic Evolution of Large Hot Orogens. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB019119.	3.4	17
22	River avulsions and sedimentary evolution of the Luanhe fan-delta system (North China) since the late Pleistocene. <i>Marine Geology</i> , 2020, 425, 106194.	2.1	13
23	Petrogenesis and Tectonic Implications of the Early Cretaceous Granitic Pluton in the Sulu Orogenic Belt: The Caochang Granitic Pluton as an Example. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 432.	2.0	5
24	Early Cenozoic thickening and reworking of the eastern Gangdese arc, south Tibet: constraints from the Oligocene granitoids. <i>Geological Society Special Publication</i> , 2019, 474, 291-308.	1.3	9
25	Regional-scale distributions of pollen and spore assemblages in alluvium around the Bohai Sea: An essential step toward understanding marine palynological sources in China. <i>Marine Geology</i> , 2019, 415, 105968.	2.1	9
26	Large-scale pollen distribution in marine surface sediments from the Bohai Sea, China: Insights into pollen provenance, transport, deposition, and coastal-shelf paleoenvironment. <i>Progress in Oceanography</i> , 2019, 178, 102183.	3.2	16
27	Tectonic Implications and Petrogenesis of the Various Types of Magmatic Rocks from the Zedang Area in Southern Tibet. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 1125-1143.	3.2	7
28	The concentration distribution and pollution assessment of heavy metals in surface sediments of the Bohai Bay, China. <i>Marine Pollution Bulletin</i> , 2019, 149, 110497.	5.0	34
29	Back-arc basin evolution in the southern Lhasa sub-terrane, southern Tibet: Constraints from U-Pb ages and in-situ Lu-Hf isotopes of detrital zircons. <i>Journal of Asian Earth Sciences</i> , 2019, 185, 104026.	2.3	10
30	Timing of Displacement along the Yardoi Detachment Fault, Southern Tibet: Insights from Zircon U-Pb and Mica $^{40}\text{Ar}/^{39}\text{Ar}$ Geochronology. <i>Journal of Earth Science (Wuhan, China)</i> , 2019, 30, 535-548.	3.2	3
31	Petrogenesis of Late Cretaceous mafic enclaves and their host granites in the Nyemo region of southern Tibet: Implications for the tectonic-magmatic evolution of the Central Gangdese Belt. <i>Journal of Asian Earth Sciences</i> , 2019, 176, 27-41.	2.3	54
32	Late Triassic Granites From the Quxu Batholith Shedding a New Light on the Evolution of the Gangdese Belt in Southern Tibet. <i>Acta Geologica Sinica</i> , 2018, 92, 462-481.	1.4	39
33	Early Jurassic adakitic rocks in the southern Lhasa sub-terrane, southern Tibet: petrogenesis and geodynamic implications. <i>Geological Magazine</i> , 2018, 155, 132-148.	1.5	21
34	Metamorphic P-T-t Path of UHT Granulites from the North Tongbai Orogen, Central China. <i>Journal of Earth Science (Wuhan, China)</i> , 2018, 29, 1116-1131.	3.2	5
35	High-Temperature Metamorphism, Anataxis and Tectonic Evolution of a Mafic Granulite from the Eastern Himalayan Orogen. <i>Journal of Earth Science (Wuhan, China)</i> , 2018, 29, 1010-1025.	3.2	19
36	Petrogenesis and tectonic implications of Early Cretaceous volcanic rocks from Lingshan Island in the Sulu Orogenic Belt. <i>Lithos</i> , 2018, 312-313, 244-257.	1.4	39

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37	Early Mesozoic magmatism and tectonic evolution of east-central Tibet. <i>International Journal of Earth Sciences</i> , 2018, 107, 2767-2784.	1.8	11
38	Oligocene HP metamorphism and anatexis of the Higher Himalayan Crystalline Sequence in Yadong region, east-central Himalaya. <i>Gondwana Research</i> , 2017, 41, 173-187.	6.0	63
39	The origin and tectonic significance of the volcanic rocks of the Yeba Formation in the Gangdese magmatic belt, South Tibet. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 265-282.	3.2	30
40	The assembly of Rodinia: The correlation of early Neoproterozoic (ca. 900 Ma) high-grade metamorphism and continental arc formation in the southern Beishan Orogen, southern Central Asian Orogenic Belt (CAOB). <i>Precambrian Research</i> , 2017, 290, 32-48.	2.7	453
41	The discovery of late Triassic mylonitic granite and geologic significance in the middle Gangdese batholiths, southern Tibet. <i>Journal of Geodynamics</i> , 2017, 104, 49-64.	1.6	36
42	Distribution and provenance of modern pollen and spores in the surface sediments of Liaodong Bay, China. <i>Marine Geology</i> , 2016, 376, 1-14.	2.1	13
43	Petrogenesis and tectonic implications of the Yadong leucogranites, southern Himalaya. <i>Lithos</i> , 2016, 256-257, 300-310.	1.4	44
44	The early-stage evolution of the Neo-Tethys ocean: Evidence from granitoids in the middle Gangdese batholith, southern Tibet. <i>Journal of Geodynamics</i> , 2016, 94-95, 34-49.	1.6	54
45	Early Eocene (c. 50 Ma) collision of the Indian and Asian continents: Constraints from the North Himalayan metamorphic rocks, southeastern Tibet. <i>Earth and Planetary Science Letters</i> , 2016, 435, 64-73.	4.4	128
46	Late Triassic crustal growth in southern Tibet: Evidence from the Gangdese magmatic belt. <i>Gondwana Research</i> , 2016, 37, 449-464.	6.0	100
47	Cambrian ultrapotassic rhyolites from the Lhasa terrane, south Tibet: Evidence for Andean-type magmatism along the northern active margin of Gondwana. <i>Gondwana Research</i> , 2015, 27, 1616-1629.	6.0	81
48	Long-lived high-temperature granulite-facies metamorphism in the Eastern Himalayan orogen, south Tibet. <i>Lithos</i> , 2015, 212-215, 1-15.	1.4	89
49	Zircon U-Pb and Hf isotopic study of Neoproterozoic granitic gneisses from the Alataage area, Xinjiang: constraints on the Precambrian crustal evolution in the Central Tianshan Block. <i>Science Bulletin</i> , 2014, 59, 100-112.	1.7	48
50	Metagabbros of the Gangdese arc root, south Tibet: Implications for the growth of continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 143, 268-284.	3.9	96
51	The generation and evolution of Archean continental crust in the Dunhuang block, northeastern Tarim craton, northwestern China. <i>Precambrian Research</i> , 2013, 235, 251-263.	2.7	117
52	UHP metamorphic rocks from the Chinese continental scientific drilling project: I. Petrology and geochemistry of the main hole (0-2,050Åm). <i>Contributions To Mineralogy and Petrology</i> , 2013, 166, 1-1.	3.1	7
53	Building of the Deep Gangdese Arc, South Tibet: Paleocene Plutonism and Granulite-Facies Metamorphism. <i>Journal of Petrology</i> , 2013, 54, 2547-2580.	2.8	111
54	Mineralogy, petrology, U-Pb geochronology, and geologic evolution of the Dabie-Sulu classic ultrahigh-pressure metamorphic terrane, East-Central China. <i>American Mineralogist</i> , 2012, 97, 1533-1543.	1.9	31

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55	Petrology and geochronology of the Namche Barwa Complex in the eastern Himalayan syntaxis, Tibet: Constraints on the origin and evolution of the north-eastern margin of the Indian Craton. <i>Gondwana Research</i> , 2012, 21, 123-137.	6.0	128
56	High density carbonic fluids in a slab window: Evidence from the Gangdese charnockite, Lhasa terrane, southern Tibet. <i>Journal of Asian Earth Sciences</i> , 2011, 42, 515-524.	2.3	38
57	Fluid/rock interaction and mass transfer in continental subduction zones: constraints from trace elements and isotopes (Li, B, O, Sr, Nd, Pb) in UHP rocks from the Chinese Continental Scientific Drilling Program, Sulu, East China. <i>Contributions To Mineralogy and Petrology</i> , 2011, 162, 797-819.	3.1	52
58	Channelized fluids in subducted continental crust: constraints from $\delta^{18}O$ of quartz and fluid inclusions in quartz veins from the Chinese Continental Scientific Drilling Project. <i>International Geology Review</i> , 2011, 53, 1443-1463.	2.1	2
59	Late Cretaceous charnockite with adakitic affinities from the Gangdese batholith, southeastern Tibet: Evidence for Neo-Tethyan mid-ocean ridge subduction?. <i>Gondwana Research</i> , 2010, 17, 615-631.	6.0	336
60	Natural and experimental constraints on formation of the continental crust based on niobium-tantalum fractionation. <i>International Geology Review</i> , 2009, 51, 473-501.	2.1	65
61	Fluid Inclusions Associated with Exsolved Quartz Needles in Omphacite of UHP Eclogites, Chinese Continental Scientific Drilling Main Drill Hole. <i>International Geology Review</i> , 2007, 49, 479-486.	2.1	13
62	Ultrahigh pressure metamorphic rocks from the Chinese Continental Scientific Drilling Project: I. Petrology and geochemistry of the main hole (2,050 Åm). <i>Contributions To Mineralogy and Petrology</i> , 2006, 152, 421-441.	3.1	82
63	Fluid Composition and Evolution Attending UHP Metamorphism: Study of Fluid Inclusions from Drill Cores, Southern Sulu Belt, Eastern China. <i>International Geology Review</i> , 2005, 47, 297-309.	2.1	31
64	Ultrahigh-pressure metamorphic records hidden in zircons from amphibolites in Sulu Terrane, eastern China. <i>Island Arc</i> , 2003, 12, 256-267.	1.1	22
65	The compositional zoning of garnet in eclogite from western segment of Altyn Tagh, northwestern China and its dynamic significance. <i>Science Bulletin</i> , 2000, 45, 79-83.	1.7	9
66	Discovery of khondalite series from the western segment of Altyn Tagh and their petrological and geochronological studies. <i>Science in China Series D: Earth Sciences</i> , 2000, 43, 308-316.	0.9	20
67	Kinematics, strain pattern, and temperature environment of the Yeba shear zone and multistage structural evolution of the Yeba Group. <i>International Journal of Earth Sciences</i> , 0, , 1.	1.8	1